FORM PTO-1390 TRANSMITTAL LETTER TO THE UNITED STATES 15258-317 DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (IT IDE **09/** 0663 CONCERNING A FILING UNDER 35 U.S.C. 371 PRIORITY DATE CLAIMED INTERNATIONAL FILING DATE NTERNATIONAL APPLICATION NO. October 31, 1995 October 28, 1996 PCT/IB96/01156 TITLE OF INVENTION FLUID-FLUID CONTACTING APPARATUS APPLICANT(S) FOR DO/EO/US WILLIAM DAVID PARTEN Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. X A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a.
is transmitted herewith (required only if not transmitted by the International Bureau). b. 🖾 has been transmitted by the International Bureau. c. is not required, as the application was filed in the United States Receiving Office (RO/US) 6. A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. XX Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. \square are transmitted herewith (required only if not transmitted by the International Bureau). b. \square have been transmitted by the International Bureau. c. have not been made; however, the time limit for making such amendments has NOT expired. d. X have not been made and will not be made. 8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. X An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11. to 16. below concern other document(s) or information included: 11. X An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (7 references) 12. XI An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. X A FIRST preliminary amendment. ☐ A SECOND or SUBSEQUENT preliminary amendment. 14. A substitute specification.

16. Other items or information:

15. A change of power of attorney and/or address letter.

4 sheets formal drawings International Search Report International Preliminary Examination Report 88 Rec'd PCT 29 APR 1998

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FORM	PTO-1	390	C. DEP	ARTMENT OF COMMERCE PATENT AND TRADEMARK OFFIC	E ORNEY'S DOCKET NUMBER				
. •		LANS	MITTAL LETTER	TO THE UNITED STATES	15258-317				
DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (If EDOWN, See 37 C.F.R.).									
CONCERNING A FILING UNDER 35 U.S.C. 371 00/066383									
NTF				INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED				
		IB96/0		October 28, 1996	October 31, 1995				
		FINVEN		·					
			JID CONTACTING API	PARATUS					
	APPLICANT(S) FOR DO/EO/US WILLIAM DAVID PARTEN								
A 22	WII	LLAM I	DAVID PARIEN submits to the United States	Designated/Elected Office (DO/EO/US) the fo	llowing items and other information:				
1.	This is a FTRST submission of items concerning a filing under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. is transmitted herewith (required only if not transmitted by the International Bureau). b. has been transmitted by the International Bureau. c. is not required, as the application was filed in the United States Receiving Office (RO/US)								
7.		a.	are transmitted herewith have been transmitted by have not been made; how have not been made and	vever, the time limit for making such amen will not be made.	emational Bureau). dments has NOT expired.				
8.		•		to the claims under PCT Article 19 (35 U.	S.C. 371(c)(3)).				
	9. X An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).								
10.	10. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).								
Ite 11.	Items 11. to 16. below concern other document(s) or information included: 11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (7 references)								
12.	X	An assi	gnment document for reco	ording. A separate cover sheet in complian	nce with 37 CFR 3.28 and 3.31 is included.				
13.	. X	A FIRS	T preliminary amendment OND or SUBSEQUENT p	t. oreliminary amendment.					
14	. \sqsubset] A subst	titute specification.						
15	. \sqsubset] A chan	ge of power of attorney ar	nd/or address letter.	•				
16	. 🗷	4 s Int	tems or information: heets formal draw ernational Search ernational Prelim						
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REGISTRATION NUMBER

E 3. AT ELECTRON TOTAL BROOK 12. ST. M. 1.30	NATIONAL APPLICATION NO.		ATTORNEY'S DOCK						
PC	Г/ІВ96/01156		15258-31						
17. x The following fees are submitted:		ļ	CALCULATIONS	PTO USE ONLY					
Basic National Fee (37 CFR 1.492(a									
Search Report has been prepared by the EPO or JPO									
International preliminary examination fee paid to USPTO (37 CFR 1.482)									
No international preliminary examination fee paid to USPTO (37 CFR 1.482)									
but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$770.00									
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$1,040.00									
International preliminary examination for and all claims satisfied provisions of P	ee paid to USPTO (37 CFR 1.48 CT Article 33(2)-(4)	2) 196.00							
ENTER APPROPE		\$ 930							
Surcharge of \$130.00 for furnishing the oath omonths from the earliest claimed priority date	or declaration later than 20 (37 CFR 1.492(e)).	30	\$						
Claims Number Filed	Number Extra	Rate							
Total Claims 14 -20 -		10 00000	\$						
Independent Claims 2 -3 =		X \$80.00	\$						
Multiple dependent claims(s) (if applicable)		+ \$260.0	\$						
	F ABOVE CALCULATION	ONS =	\$ 930						
Reduction by 1/2 for filing by small entity, if must also be filed. (Note 37 CFR 1.9, 1.2)		tity statement	\$	•					
must also be med. (Note 37 CTR 1.5; 1.2.	SUBTO	TAT. =	\$						
			T						
Processing fee of \$130.00 for furnishing the	English translation later the	20 📙 30	\$						
months from the earliest claimed priority dat									
TOTAL NATIONAL FEE = \$ 930									
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +									
	\$ 930								
	TOTAL FEES ENCLO		Amount to be:						
	•		refunded	\$ 000					
			charged	\$ 930					
a. A check in the amount of \$	to cover the above fees is	enclosed.	•						
b. Please charge my Deposit Account N A duplicate copy of this sheet is encl	b. Please charge my Deposit Account No. 20-1430 in the amount of \$ 930 to cover the above fees. A duplicate copy of this sheet is enclosed.								
c. The Commissioner is hereby authorized to charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment to the Deposit Account No. 20-1430. A duplicate copy of this sheet is enclosed.									
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.									
COMPANY CORRESPONDENCE TO	Le CORRESPONDENCE TO:								
J. Georg Seka	URE								
Townsend and Townsend and Cre	evin T. LeMond								
	Two Embarcadero Center, 8th Fl.								
San Francisco, CA 94111									
35,933									
j		B B G I ST	RATION NUMBER						

88 Hec'd PCT/PTO 29 APR 1998 09/066383

EXPRESS MAIL NO. EL008724637

DATE OF DEPOSIT: April 29, 1998

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents,

Washington, D. C.//20281.

ву:<u> ХИИ ВИ</u>

Attorney Docket No. 15258-317